

Vehicle air conditioning system comprising an electronic control device

ABSTRACT OF THE DISCLOSURE

5

The invention proposes an air conditioning system for motor vehicles which is fitted with an injection computer and an electronic control device. The system comprises a first measuring member suitable for supplying a value 10 relating to the pressure of the fluid at a first point in the air conditioning circuit which is situated between the outlet of the expansion member and the outlet of the evaporator, and a second measuring member suitable for supplying a value relating to the pressure of the fluid at 15 a second point in the air conditioning circuit which is situated at the inlet to the compressor. The electronic control device makes use of the solution of an equation which relates the mass flow rate of the refrigerant fluid to the difference in pressure between the first point and 20 the second point in order to calculate an estimate of a magnitude relating to the refrigerant fluid.